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Datum/Date

10.03.03

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KUZMINSKIY 6-10

Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°.

02256711.9-2415-

Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire

LUCENT TECHNOLOGIES INC.

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☐ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

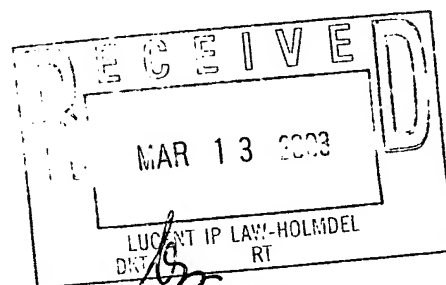
☐ abstract

☐ title

☒ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

4



REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.



DOCUMENTS CONSIDERED TO BE RELEVANT									
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)						
A	EP 1 100 211 A (LUCENT TECHNOLOGIES INC) 16 May 2001 (2001-05-16) * column 3, line 51 - column 4, line 18 * * column 4, line 32 - line 52 * * figure 3 * ---	1-9	H04L1/06 H04B7/08 H04L25/03						
A	EP 1 152 549 A (LUCENT TECHNOLOGIES INC) 7 November 2001 (2001-11-07) * column 3, line 20 - column 4, line 23 * * figure 1 * ---	1-9							
A	GB 2 357 938 A (NOKIA NETWORKS OY) 4 July 2001 (2001-07-04) * page 10, line 3 - page 11, line 21 * * figure 3 * -----	1-9							
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)						
			H04L H04B						
The present search report has been drawn up for all claims									
Place of search THE HAGUE		Date of completion of the search 14 February 2003	Examiner Marselli, M						
<table border="0"><tr><td>CATEGORY OF CITED DOCUMENTS</td><td>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</td></tr><tr><td>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</td><td></td><td></td><td></td></tr></table>				CATEGORY OF CITED DOCUMENTS	T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			
CATEGORY OF CITED DOCUMENTS	T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document								
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document									

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 25 6711

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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14-02-2003

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ABSTRACT / ZUSAMMENFASSUNG / ABREGE

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A receiver of digital data bursts is provided comprising an antenna array (A), a first space time filter (26) having filter coefficients initialised by estimation over just training data in a received burst (LST) and providing symbol estimates and a second space time filter (28) having filter coefficients initialised by estimation over the received burst (LSB) and providing symbol estimates. In use at least one pass to determine a symbol estimate in the received burst is undertaken by each space time filter and a selector (24) operates to determine which of the first and second filters provides the symbol estimate closer to an expected value.